

OBODAN, N.M.

APSHTEYN, G.Ya., professor; OBODAN, N.M., stershii nauchnyy sotrudnik

Present state of the organization of aid for injuries to children
in Leningrad and measures for its improvement [with summary in
English]. Vest.khir. 78 no.4:54-58 Ap '57. (MLR 10:6)

1. Iz Gosudarstvennogo nauchno-issledovatel'skovo detskogo ortopedi-
cheskogo instituta im. G.I.Turnera (dir. instituta - prof. M.N.
Goncharova, zam. dir. po nauchn.rabote - prof. J.A.Novozhilov)
(WOUNDS AND INJURIES, in infant and child,
traumatol. serv. in Russia (Rus))
(PEDIATRIC DISEASES,
traum., prev. & ther. in Russia (Rus))

EPSHTEYN, G.Ya., prof.; OBODAN, N.M., starshiy nauchnyy sotrudnik

Measures to contrl injuries to children in Leningrad. Ortop.travn.
i protez. 20 no.4:60-63 Ap '59. (MIRA 13:4)

1. Iz Gosudarstvennogo nauchno-issledovatel'skogo detskogo ortopedicheskogo instituta im. G.I. Turnera (dir. - prof. M.N. Goncharova).

(WOUNDS AND INJURIES, in inf. & child
prev. measures in Leningrad (Rus))

GONCHAROVA, M.N., prof.; SMIRNOVA, Ye.I.; EPSHTEYN, G.Ya., prof.;
OBODAN, N.M., starshiy nauchnyy sotrudnik

Organization of control over children's injuries in Leningrad,
Zdrav. Ros. Feder. 4 no.8:22-26 Ag '60. (MIRA 13:9)
(LENINGRAD—CHILDREN—ACCIDENTS)

OBOGAN, N.M.; GRININA, A.V.

Problems in the organization of boarding schools for children after poliomyelitis. Ortop., travm. i protez. 21 no.11:59-62 '60.

(MIRA 14:4)

(POLIOMYELITIS) (PHYSICALLY HANDICAPPED CHILDREN--EDUCATION)

OBODAN, N.M., starshiy nauchnyy sotrudnik; GRININA, A.V., mladshiy nauchnyy
sotrudnik

Operation of interdistrict pediatric orthopedic services in Leningrad
for a 7-year period. Vop. okh. mat. i det. 6 no.4:77-82 Ap '61.

1. Iz Nauchno-issledovatel'skogo detskogo ortopedicheskogo instituta
imeni G.I.Turnera (dir. - prof. M.N.Goncharova).
(LENINGRAD—ORTHOPEDIA)

OBODAN, N.M.; KAZANTSEVA, N.D.

Burns in children. Vop.ohh.mat.i det. 7 no.4:81-85 Ap '62.
(MIRA 15:11)
1. Iz Nauchno-issledovatel'skogo detskogo ortopedicheskogo
instituta imeni G.I.Turnera (dir. - prof. M.N.Goncharova).
(BURNS AND SCALDS)

GONCHAROVA, M.N., prof.; OBODAN, N.M., starshiy nauchnyy sotrudnik; GRININA, A.V., mladshiy nauchnyy sotrudnik

Recording of patients with disorders of the locomotor apparatus as a basis for proper organization of orthopedic aid for children.
Ortop., travm. i protez. 24 no.11:48-56 N '63.

(MIRA 17:10)

1. Iz Detskogo ortopedicheskogo instituta imeni Turnera (dir. - prof. M.N. Goncharova). Adres avtorov: Leningrad P-136, Lakhtinskaya ul., dom 10/12, Institut imeni Turnera.

AKHUNDOV, A.A., kand. med. nauk; BAIROV, G.A., prof.; BOYARINOVA, M.V., kand. med. nauk; BUTIKOVA, N.I., doktor med. nauk; ZOBINA, M.M., kand. med. nauk; IVASHKO, L.M.; KAZANTSEVA, N.D., kand. med. nauk; ZLOTNIKOV, D.M., professor; KUZ'MIN, B.P., kand. med. nauk; OBODAN, N.M., kand. biol. nauk; KHILKOVA, T.A., kand. med. nauk; EPSHTEYN, Grigoriy Yakovlevich, prof.

[Traumatology and restorative surgery in children; selected chapters] Traumatologija i vosstanovitel'naia khirurgija detskogo vozrasta; izbrannye glavy. Leningrad, Meditsina, 1964. 334 p. (MIRA 17:6)

1. Chlen-korrespondent AMN SSSR (for Bairov).

EFSHTEYN, G.Ya., prof.; OBODAN, N.M., starshiy nauchnyy sotrudnik

Prevention of childhood injuries and organization of pediatric
traumatological care. Ortop., travm. i protez. 25 no.5:3-8 My
'64. (MIRA 18:4)

1. Iz Detskogo ortopedicheskogo instituta imeni G.I.Turnera (dir. -
prof. M.N.Concharova). Adres avtorov: Leningrad P-136, Lekhtinskaya
ulitsa, dom 10/12, Detskiy ortopedicheskiy institut imeni Turnera.

ANTOSHCHENKO, Ye.M.; IGNATENKO, A.D.; OBODAN, V.Ya.; REVA, V.K.

Television methods for automatic control of geometrical parameters
of controlled systems. Avtom. i prib. no. 1:73-78 Ja-Mr '64.
(MIRA 17:5)

L 49326-65 EWT(d)/EWA(d)/EWP(v)/EWP(k)/EWP(h)/EWP(l) pg-4
ACCESSION NR: AP5010877 UR/0286/65/000/007/0058/0058

AUTHORS: Dekhtyar', Ye. I.; Obodan, V. Ya.

TITLE: A device for the non-contact controlling of an electric motor by means of a field of a main drive electric motor of a reversible rolling mill. Card number 21 Date 169442

TOPIC TAGS: electric motor, rolling mill

ABSTRACT: This Author Certificate presents a device for non-contact controlling by means of a field of a main drive electric motor of a reversible rolling mill. The device includes an integrating dynamo-electric amplifier (or magnetic amplifier). The basic control winding of the amplifier is fed a voltage proportional to the difference between the voltage of the motor excitation current and the reference voltage of the circuit section of the master potentiometer, changed by means of a preset unit to the functions of the signal of the non-contact command equipment and also of the relay amplifier. A shaping unit is connected parallel with the section of the circuit of the basic control winding. This unit limits the decrease of the voltage and the decrease of the motor excitation current function according to a preset nonlinear law. To increase the

Card 1/3

L-47326-65

ACCESSION NR: AP5010877

flexibility of the control system, the shaping unit includes a magnetic amplifier-controlled semiconductor triode. The collector circuit of this triode is connected in parallel through the reversible quadrangle of the electric gages to the part of the circuit of the indicated control winding of the integrating amplifier. In the base circuit, the collector is connected to the load resistance of the magnetic amplifier and to the silicon stabililtron. To improve the performance of the control system, the preset unit includes a controlled magnetic amplifier semiconductor triode. The collector circuit of the triode is connected to the part of the circuit of the master potentiometer of the reference voltage. In the base circuit, the collector is connected to the silicon stabililtron and to the load resistance of the magnetic amplifier. The permitted signal of the field attenuation obtained from the relay amplifier is sent to the input of the magnetic amplifier. The prohibition signal of the field attenuation at the time of reversing is being fed from the contour of the control winding of the indicated integrating amplifier (see Fig. 1 on the Enclosure). Orig. art. has: 1 figure.

ASSOCIATION: none

SUBMITTED: 22Dec61

ENCL: 01

SUB CODE: EE, IE

NO REF Sov: 000
Card 2/3

OTHER: 000

SOV/130-59-2-3/17

AUTHORS: Nekrasov, Z.I. and Obodan, Ya.M.

TITLE: Automatic Measurement of the Composition and Temperature of Peripheral Gas and Control of Blast-Furnace Operation (Avtomaticheskiy kontrol' sostava i temperatury periferiynogo gaza i regulirovaniye khoda domennoy pechi)

PERIODICAL: Metallurg, 1959, Nr 2, pp 7-10 (USSR)

ABSTRACT: At several Soviet works, e.g. im.Dzerzhinskogo (Dzerzhinskiy) and im.Petrovskogo (Petrovskiy) a continuous peripheral-gas sampling and temperature-measuring device has long been used. It was proposed by Z.I.Nekrasov, Corresponding Member of the AN UkrSSR (Academy of Science UkrSSR) and developed by its Institut Chernoy metallurgii (Ferrous Metallurgical Institute). It consists (Fig 1) essentially of a water-cooled probe which quickly cools the gas sample, thus preventing further composition changes. The inlet of the probe is arranged flush with the inwall and several (4 to 8) are generally arranged at equal intervals round the furnace under the armouring. Separate

Card 1/3

SOV/130-59-2-3/17

Automatic Measurement of the Composition and Temperature of
Peripheral Gas and Control of Blast-Furnace Operation

thermocouple probes (Fig 1) are arranged 0.3 to 0.4 m below the gas probes; the couples are protected by heat resisting steel shields. The gas flow is cleaned in a two stage filter (coke supported on ceramic tubes, followed by glass or cotton wool and then in a filter consisting of several foamed slag discs in suitable glands and passes to automatic analysers. A rapid gas flow is maintained in the main gas-sampling system, that above the analyser-requirements being blown off through a water-seal. The authors discuss experience at the works using the system. This has shown that the CO₂ content at the walls should be kept as high as possible. With even working of the furnace the CO₂ content at the various sampling points should be about equal and constant. The authors discuss measures for securing even working and stress that they must be applied promptly to avoid possible formation of scaffolds and preferably in the order listed. As shown in Fig 3, scaffolds are indicated by characteristic CO₂ distribution patterns. The authors list measures which

Card 2/3

SOV/130-59-2-3/17

Automatic Measurement of the Composition and Temperature of
Peripheral Gas and Control of Blast-Furnace Operation

prevent the further growth of scaffolds or even remove them: if these fail they recommend the furnace being emptied as far as possible and the shifting of the scaffold with explosives. Finally the authors possible causes for an overall decrease in the peripheral CO₂ content are given: failure to adapt the charging cycle for a charged burden-size grading to systematic failure to keep to the proper stockline level or to overloading the centre with ore. There are 3 figures.

ASSOCIATION: Institut Chernoy Metallurgii AN USSR (Institute of Ferrous Metallurgy, AS UkrSSR)

Card 3/3

NEKRASOV, Z.I.; OBODAN, Ya.M.

Automatic gas composition and temperature control according to
furnace diameter. Metallurg 4 no.3:5-7 Mr '59. (MIRA 12:4)

1. Institut chernoy metallurgii AN USSR.
(Blast furnaces) (Automatic control)

NEKRASOV, Z.I., doktor tekhn.nauk; OBODAN, Ya. M., inzh.

Blast furnace process with the use of automatic control data
on the composition of peripheral gases. Trudy Inst. chern.
met. AN URSR 12:37-67 '60. (MIRA 14:5)

1. Chlen-korrespondent AN USSR (for Nekrasov).
(Blast furnaces)
(Gases—Analysis)

STARSHINOV, B.N.; OBDAN, Ya.M.; YELINEK, I.I.

Efficiency of using mazut in blast furnaces. Metallurgia
no.10-9-12 0 '64 (MIRA 18:1)

OBODAN, Ye., inshener.

New calculating machine. Tekh.mol.23 no.10:9 0 '55.
(Calculating machine) (MLRA 9:4)

ZHUKOV, G.; OBODIN, P., rupchatnik

The factory should check the quality of the manufactured machinery.
Muk.-elev.prom. 28 no.3:27-28 Mr '62. (MIRA 15:4)

1. Dnepropetrovskiy mel'kombinat No.27. 2. Glavnnyy inzhener
Dnepropetrovskogo mel'kombinata No.27 (for Obodin).
(Agricultural machinery industry)

SWIDERSKI, J.; OBODOSKA-ZYSK, W.; WIERZEJSKA, H.

A case of Morgagni-Adams-Stokes syndrome in a girl with complete auriculoventricular block. Pediat.polska 35 no.11:1349-1356
R '60.

1. Z Zakladu Fizjopatologii, Kierownik: doc. dr med. A.Chroscicki
i z Kliniki Chorob Wewnetrznych, Kierownik: prof. dr med. J.Baszek
Instytutu Matki i Dziecka w Warszawie, Dyrektor: prof. dr med.
P.Groer i z Oddzialu Obserwacyjnego Szpitala Miejskiego Zakaznego
nr 1 w Warszawie, Ordynator: doc. dr med. B.Migalska-Kassurova.
(HEART BLOCK in inf & child)

OBODOVSKAYA,D.A.

DEVYATNIN,V.A. ; OBODOVSKAYA,D.A.

Sea buckthorn. Priroda 44 no.9:101-102 S '55. (MIRA 8:11)

1. Vsesoyuznyy nauchno-issledovatel'skiy vitaminnyy institut
(Buckthorn)

CONTINENT : USSR
CATEGORY : Cultivated Plants. Fruits. Berries. Nuts. Peas.
MATERIALS :
PERIOD : 1951-1952, No. 1802 D.A.
SUBJEC. : Chirchagsk. Study of the effect of humus horizon and fertilizers on the growth and development of some pea varieties during "dormant" stability of some pea varieties during "dormant"
CROSS, PGS. : No. 10. Chirchagsk. Institute of Soil Science, 1957,
IL, 475-268
ABSTRACT : Reported are results of a three-year study of the effect of the humus horizon and organic-mineral fertilizers on varieties introduced during sowing, in two years, on the growth, development, duration of the vegetative period and winter stability of pea plants. Note in the positive effect of introducing a humus soil horizon and fertilizers on breeding, growth, and winter stability of plants after setting. The authors recommend, however, that the top 10-15 cm of soil near the roots as a depth of 10-15 cm be without fertilizer. The winter varieties

DATE: 12

COUNTRY :
PROJECT :

VBG. NOUR. : Leningrad., No. 1, 1962. №. 1802

ABSTRACT : Marilyna and the winter variety Zhezefira Mezherenskaya in one given experiment reacted negatively to fertilizers, but their winter stability was higher than that of trees of the same variety without fertilizer. Good results from the introduction of fertilizers during the planting period were obtained with Limonka, Michurin Krasja, and forest Silisornea. - . A.P. Chevchenko

CARD:

2/2

154

OBODOVSKAYA, D.A.; PATRAT'YEVA, V.B.

Storage of apple, cherry, and whortleberry extracts at low temperatures.
Kons. i ov. prom. 14 no.9:13-14 S '59. (MIRA 12&12)

1. Tsentral'naya proizvodochno-naladochnaya laboratoriya pri Moskovskom
zavode No.2 pishchevykh kontsentratov.
(Fruit, Frozen)

OBODOVSKIY, A.

Construction Industry - Accounting:

How to compute the cost of completed construction and installation work, not accepted for payment, Bukhg. uchet, 11, No. 4, 1952.

Monthly List of Russian Accessions, Library of Congress, July 1952. Unclassified.

TROFIMENKOV, Yu.G.; OBODOVSKIY, A.A.

Some problems in determining the bearing capacity of piles. Osn.
fund.i mekh.grun. 2 no.3:2-4 '60. (MIRA 13:7)
(Concrete piling)

OBODOVSKIY, A.

Efficient elements. Na stroi. Ros. no.6:19-20 Je '61.
(MIRA 14:7)

1. Glavnnyy inzhener proyekta instituta Fundamentproyekt.
(Piling (Civil engineering))

YUR'YEV, Ya.M., inzh.; KORSHUNOV, V.A., inzh.; OBODOVSKIY, A.A., tekhnik

Improvement of devices in the interior of TP-230-2 boiler drums.
(MIRA 14:8)
Energetik 9 no.8:1-5 Ag '61.
(Boilers)

OBODOVSKIY, A.A.

Pile foundations for industrial buildings. Prom.stroi. 43
(MIRA 18:12)
no.12:10-12 '65.

SOV/124-57-8-9294

Translation from: Referativnyy zhurnal. Mekhanika. 1957, Nr 8, p. 104 (USSR)

AUTHOR: Obodovskiy, B. A.

TITLE: Stress Analysis of a Circular Rotating Disc Weakened by an Eccentric Hole (Raschet na prochnost' krugovogo vrashchayushchegosya diska, oslablennogo ekstsentricheskim otverstivem)

PERIODICAL: Sb. nauch. tr. Zhdanovsk. metallurg. in-ta. 1955. Nr 3. pp. 293
299ABSTRACT: The author analyzes the problem of the stress distribution in a thin uniform circular disc weakened by an eccentric hole and rotating at a uniform angular speed around an axis passing through the center of the disc and perpendicular to its surface. For the solution the author employs the method of D. I. Sherman (Dokl. AN SSSR, 1940, Vol 37, Nr 2, pp 911-913) for doubly connected regions, which is based on an analytical continuation of the Kolosov-Muskhelishvili functions of a complex variable through one of the boundaries of the region with the help of an auxiliary function for which an integral equation is given; the latter is solved approximately by the method of reduction to an abbreviated system of linear algebraic equations.
I. A. Prusov

Card 1/1

OBODOVSKIY, B. A., Candidate of Technical Sciences, Docent.

"On the Applicability of D. I. Zhuravskiy's Formula to the Calculation of a
Cylindrical Tube Deflected by a Transverse Force"

Calculations for Strength; Theoretical and Experimental Research on the
Strength of Elements Used in Machine Construction. Collection of Articles,
Vol. 2, Moscow, Mashgiz, 1958, 366pp.

OBODOVSKIY, B.A., kand.tekhn.nauk, dots.

Applicability of D.I.Zhuravskii formula for the calculation of
cylindrical pipes under lateral bending stresses. Rasch-na
prochn. no.2:182-188 '58. (MIRA 12:2)
(Pipe---Tables, calculations, etc.)

SOV/97-59-1-9/18

AUTHORS: Khanin, S.Ye., Candidate of Technical Sciences;
Obodovskiy, B.A., Candidate of Technical Sciences,
and Bondarev, M.V., Engineer

TITLE: Concrete Reinforced with Thin Twisted Wires (Zhelezobeton,
armirovannyj vitoy pryad'yu iz tonkikh provolok)

PERIODICAL: Beton i Zhelezobeton, 1959, Nr 1, pp 29-32 (USSR)

ABSTRACT: Thin twisted wire reinforcement has similar adhesion to concrete to that of reinforcement of standard profile. In comparison with reinforcement of non-periodic profile which acquires brittleness, twisted reinforcement preserves elasticity, which in many cases is an important advantage. Its loss in strength is approximately 3% compared with 8% in the case of non-periodic profile (see K.V. Mikhaylov, "Reinforced Concrete Constructions", published by Gosstroyizdat, 1952). Twisted reinforcement has many other constructional advantages over single smooth reinforcing rod: in particular, it lowers the centre of gravity of the reinforcement in the section, and allows for wider spacing between reinforcement. Owing to the

Card 1/4

SOV/97-59-1-9/18

Concrete Reinforced with Thin Twisted Wires

good adhesion of twisted reinforcement to concrete it is possible to lower the strength of the concrete for pre-stressed reinforced concrete constructions to 200-250 kg/cm²; it is also possible to remove the tensioning implements much earlier. Many troubles experienced in reinforced concrete construction are due to brittleness of reinforcement (A.P. Vasil'yev in "Stroitel'naya promyshlennost'", 1957, Nr 2). Tests with twisted wire reinforcement were carried out by the Chair for Strength of Materials of the Zhdanov Metallurgical Institute (Kafedra soprotsiveniya materialov Zhdanovskogo metallurgicheskogo instituta) together with Azovstal'stroy. Two or 3 wires of 2.6 mm diameter were twisted together in such a way that one full twist occurred every 40-45 mm of length. This reinforcement was tested to breaking point on a UIM-50 machine, which showed that its strength was 9-10% lower than that of ordinary reinforcement, as described previously in an article by R.I. Veyts ("Stroitel'naya promyshlennost'", 1955, Nr 10). Macro- and micro-tests of this reinforcement were made, which revealed defects in the structure of the

Card 2/4

SOV/97-59-1-9/18

Concrete Reinforced with Thin Twisted Wires

material. Fig.1 illustrates metal anchoring wedges for tensioning of twisted reinforcement, and Fig.2 shows the testing of this reinforcement to breaking point. In addition to tests on twisted reinforcement comprising 2 x 2.6 mm diameter wires, a single wire obtained by separating the twisted wires was tested. Results obtained in these tests are included in Table 1. Tests to define the modulus of elasticity were carried out by means of tensimeters. Fig.3 gives a graph of the reduction of the modulus of elasticity during increase of tension of the reinforcement. The use of a deformation graph, obtained for a given section of reinforcement under given stress, is recommended by N.M. Boginyy (Beton i Zhelezobetona, 1956, Nr 3) for obtaining precise values of stresses in reinforcement by measurement of its elongation. Practical tests to obtain the value of the strength of adhesion of twisted reinforcement to the concrete are described and illustrated in Fig.4. Fig.5 shows the machine used for pulling out the reinforcement from the concrete. The results of these latter tests are given in Table 2. Further tests of twisted

Card 3/4

SOV/97-59-1-9/18

Concrete Reinforced with Thin Twisted Wires

and tensioned reinforcement were carried out in concreting yards; for example, in Zhdanov factory for prestressed concrete "Azovstal'stroy". Fig.6 shows the layout of the slab and reinforcement during testing. The results are given in Table 3. Similar tests were carried out using 5 mm diameter wires of non-periodic profile mark ChMTU 4987-55. The results of these tests showed that twisted reinforcement is as advantageous as reinforcement of non-periodic profile. Similar results were obtained by Candidate of Technical Sciences E.G. Katts. There are 6 figures and 3 tables.

Card 4/4

OBODOVSKIY, Boris Arnol'dovich; GLUSHKOV, G.S., doktor tekhn. nauk, prof., red.; KOVALEVA, Z.G., red.; SMILYANSKAYA, T.M., tekhn. red.

[Design of statically indeterminate beams] Raschet statisticheski neopredelimykh balok. Pod red. G.S.Glushkova. Khar'kov, Izd-vo Khar'kovskgo gos. univ. im. A.M.Gor'kogo, 1960.
46 p.

(Girders)

OBODOVSKIY, B.A., dotsent, kand.tekhn.nauk

Bending of a hollow bar with elliptical cross section. Basch.na
prochn. no.5:182-190 '60. (MIREA 13:7)
(Girders)

OBODOVSKIY, Boris Arnol'dovich; KHANIN, Solomon Yetimovich;
Prinimali uchastiye ORZHEKHOVSKAYA, O.P.; ITSKOVICH,
G.M.; DARKOV, A.V., prof., doktor tekhn. nauk.
retsenzent; KRYUKOVSKIY, S.S., prof., retsenzent
[deceased]; KRYTOV, G.M., dots., retsenzent; RAKIVNENKO,
V.N., st. prepod., retsenzent; VINOGRADOV, A.I., otv. red.;
VAYNBERG, D.A., red.

[Strength of materials in examples and problems] Soprotiv-
lenie materialov v primerakh i zadiachakh. Khar'kov, Izd-
vo Khar'kovskogo gos. univ., 1965. 314 p. (MIHA 18:5)

IVANOV, A.A.; OBODOVSKIY, B.A.; SMIRNOV, G.M.; BOCHAROV, V.A.; KOSTYUCHENKO,
N.P.; LYUBOV, V.A.; MANOV, V.M.; MEDYNSKIY, A.F.; MISHCHENKO, V.P.;
FURSA, I.G.

Investigating 350- and 480-ton welded steel-pouring ladles.
Izv.vys.ucheb.zav.; chern. met. 8 no.4:220-223 '65. (MIRA 18:4)

1. Zhdanovskiy metallurgicheskiy institut.

S/120/62/000/001/007/061
E032/E514

AUTHORS: Lyapidevskiy, V.K. and Obodovskiy, I.M.

TITLE: A convection chamber with a honeycomb base

PERIODICAL: Pribory i tekhnika eksperimenta, no.1, 1962, 41-42

TEXT: It is pointed out that the convection chamber described by the first of the present authors in Ref.1 (PTE, 1959, No.4, 49) has a relatively small base area (up to 100 cm²). In the present paper the authors describe a chamber whose base area can be made as large as desired without affecting its performance. The base consists of isolated prisms 1 (Fig.1), each of which functions as an ordinary convection chamber. The top ends of the prisms lie in a single plane and the prisms themselves are cooled down to -40 to -60°C by thermal contact with the plate 2 which in turn is cooled by solid CO₂. The upper part of the chamber (walls and lid) is maintained at room temperature. The working vapour evaporates from the surface of the source 3 and is brought up by the gas flow into the upper region of the chamber, and then down towards the prisms 1. Near the surface of the prisms there is a sensitive layer with a super-saturation



Card 1/3

A convection chamber with a ...

S/120/62/000/001/007/061
EO32/E514

greater than the super-saturation at which droplets begin to form on ions. The cooled gas-vapour mixture becomes heated on approaching the walls and moves in the upward direction, thereby producing a closed convective flow of the gas-vapour mixture. The chamber operates continuously so long as the temperature difference between the bottom and the top parts is maintained at the necessary value. In the honeycomb chamber the gas motion can be made to proceed in a single direction so that the diameter of the chamber can be reduced to the diameter of its working region. In order to achieve this, the prisms were laid over the entire base area, while the upper part of the chamber carried peripheral windows which were covered with the Petryanov ФПП-15 (FPP-15) filter. Air at room temperature was drawn into the chamber through the filter by a backing pump, and after reaching the prism surface was ejected back into the atmosphere through an aperture in the bottom plate. There are 2 figures.

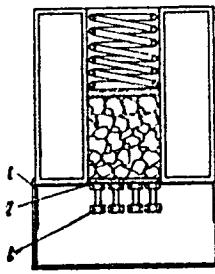
ASSOCIATION: Moskovskiy inzhenerno-fizicheskiy institut
(Moscow Engineering Physics Institute)

SUBMITTED: May 17, 1961
Card 2/3

A convection chamber with a ...

S/120/62/000/001/007/061
E032/E514

Fig.1



Card 3/3

OBODOVSKIY, I. M.

95

8/089/62/013/006/019/027
B102/B186

AUTHORS: G. T. and M. R.

TITLE: Nauchnaya konferentsiya Moskovskogo inzhenerno-fizicheskogo
instituta (Scientific Conference of the Moscow Engineering
Physics Institute) 1962

PERIODICAL: Atomnaya energiya, v. 13, no. 6, 1962, 603 - 606

TEXT: The annual conference took place in May 1962 with more than 400
delegates participating. A review is given of these lectures that are
assumed to be of interest for the readers of Atomnaya energiya. They are
following: A. I. Leypunskiy, future of fast reactors; A. A. Vasil'yev,
design of accelerators for superhigh energies; I. Ya. Pomeranchuk,
analyticity, unitarity, and asymptotic behavior of strong interactions at
high energies; A. B. Migdal, phenomenological theory for the many-body
problem; Yu. D. Fiveyskiy, deceleration of medium-energy antiprotons in
matter; Yu. M. Kogan, Ya. A. Isakilevskiy, theory of the Mossbauer effect;
M. I. Ryazanov, theory of ionisation losses in nonhomogeneous medium;
Yu. B. Ivanov, A. A. Rukhadze, h-f conductivity of subcritical plasma;

Card 1/4

36

S/089/62/013/006/019/027
B102/B186

Nauchnaya konferentsiya...

Ye. Ye. Lovetskiy, A. A. Rukhadze, electromagnetic waves in nonhomogeneous plasma; Yu. D. Kotov, I. L. Rosental', the origin of fast cosmic muons; Yu. M. Ivanov, muon depolarisation in solids; V. G. Verlamov, Yu. M. Grashin, B. A. Dolgoshein, V. G. Kirillov-Ugryumov, V. S. Roganov, A. V. Samoylov, μ^+ capture by various nuclei; V. S. Desidov, V. G. Kirillov-Ugryumov, A. K. Ponokov, V. P. Protasov, F. M. Sergeyev, scattering of π^+ mesons at 5 - 15 Mev in a propane bubble chamber; S. Ya. Nikitin, M. S. Aynutdinov, Ya. M. Selektor, S. M. Zomkovskiy, A. P. Grashin, muon production in π^-p interactions; B. A. Dolgoshein, spark chambers; N. G. Volkov, V. K. Lyapidevskiy, ~~A. M. Obodovskiy~~, study of operation of a convection chamber; K. G. Finogenov, production of square voltage pulses of high amplitudes; G. M. Alekseev, problems of color vision; V. K. Lyapidevskiy, relation between number of receivers and number of independent colors; Ye. M. Kudryavtsev, N. N. Sobolev, N. I. Tizengausen, L. N. Tunitskiy, F. S. Fayzulov, determination of the moment of electron transition of oscillator forces and the widths of the Schuhman-Runge bands of molecular oxygen; B. Ye. Govrilov, A. V. Zharikov, V. I. Rayko, decomposition of the volume charge of intense ion beams; Ye. A. Kramer-Agayev, V. S. Froshin, measurement of neutron spectra; G. G. Doroshenko, new methods of fast-neutron recording; V. I. Ivanov, dosimetry terminology; R. M. Voronkov, Card 2/4.

VOLKOV, N.G.; LYAPIDEVSKIY, V.K.; OBODOVSKIY, I.M.

Width of tracks in convection chambers. Prib. i tekhn. eksp. 8
no.3:61 My-Je '63. (MIRA 16:9)

1. Moskovskiy inzhenerno-fizicheskiy institut.
(Photography, Particle track)

LYAPIDEVSKIY, V.K.; OBODOVSKIY, M.M.

Diffusion cloud chamber controlled by a photoelectric multiplier.
Prib. i tekhn. eksp. 6 no.6:38-40 N-D '61. (MIRA 14:11)

1. Moskovskiy inzhenerno-fizicheskiy institut.
(Cloud chamber)
(Photoelectric multipliers)

OBODOVSKIY, V.A.

Effect of the rigidity of the casing of hydrolytic apparatus upon the
deterioration of their lining. Stroi.prom.31 no.12:18-19 D '53.
(MLRA 7:1)
(Autoclaves)

OBODOWSKA-ZYSK, Wanda

Central nervous system complications in measles. Przegl. epidem.,
Warsz. 13 no.3:249-257 1959

1. Z Oddzialu Obserwacyjnego Szpitala Zakasnego Nr 1 w Warszawie
Ordynator: doc. dr med. Br. Migdalska-Kassurowa
(MEASLES, compl.) (BRAIN, dis.)

OBODOWSKA-ZYSK, Wanda

Nervous system complications during the course of trichinosis. Przegl.
epidem. 15 no.4:387-398 '61.

1. z Oddzialu Obserwacyjnego Szpitala Zakasnego Nr 1 w Warszawie
Ordynator: doc. dr Br. Migdalska-Kassurova.

(TRICHINOSIS compl) (NEUROLOGIC MANIFESTATIONS)

OBODOWSKA-ZYSK, W.; KIRKOWSKA, I.

A case of tuberous sclerosis of the brain. Pol. tyg. lek. 19
no.1:24-27 1 Ja'64

1. Z Oddzialu Obserwacyjnego Szpitala Zakaznego Nr.1 w War-
szawie; ordynator: doc.dr.med. Br. Migdalska-Kassurowa.

*

MIGDALSKA-KASSUROWA, Bronislawa; OBODOWSKA-ZYSK, Wanda

Complications after smallpox vaccination in Warsaw in 1963.
Przegl. epidem. 18 no. 3:277-288 '64

l. Z Oddzialu Obserwacyjnego Szpitala Zakaznego Nr.1 w
Warszawie (ordynator: doc. dr. med. Br. Migdalska-Kassurowa).

L 01784-67 I JK
ACC NR: AF6035140

(A)

SOURCE CODE: P0/0081/65/019/002/0167/0168

MIGDALEK-KASSIROWA, Bronisława and OBODOWSKA-ZYSK, Wanda; Observation
Department of the Infectious Diseases Hospital Number 1 (Oddział Obserwacyjny
Szpitala Zakaznego Nr 1), Warsaw.

23

3

"Neurologic Complications and Peripheral Blood Counts in Complications
following Vaccination against Smallpox in 1963."

Warsaw, Przeglad Epidemiologiczny, Vol 19, No 2, 1965; pp 167-168.
TOPIC TAGS: immunization, pediatrics, encephalitis, human ailment, hematology
Abstract: Analysis of 126 patients, including 24 children aged 1-14; 70 were
Female; data are given on hemograms (there was no severe anemia or anomaly of
white blood counts); of 125 cases tabulated according to 15 diagnostic categories,
14 were fatal, including 7 out of 38 cases of encephalomeningitis, 4 of 26
with encephalitis, and 1 each of cerebral hemorrhage, encephalomyelitis, and
myelitis. Complications usually appeared between the 7th and 14th day after
vaccination. Table. Presented at 3rd Scientific Assembly of Polish
Epidemiologists and Infectologists, Krakow, 5-6 Oct 64. Orig. art. has:

1 table. [JPRS]

SUB CODE: 06 / SUBM DATE: none

Card 1/1 bkh

1021 1030

BAJSZCZAK, Zbigniew; OBODOWSKI, Janusz

Trends in the employment policy during the years 1966-1970.
Praca zabezp spol 6 no.9:2-15 S '64.

BAJSZCZAK, Zbigniew; QBOADOWSKI, Janusz

Employment during the 20-year period of People's Poland.
Praca zabezp spol 6 no. 7/3:22-34 J1-Ag '64.

OBODINSKAYA, L.I. (Kiysv, ul. Kul'tury, d.17a, kv.18)

Surgical treatment of urinary incontinence in women. Klin.khir.
(MIRA 16:5)
no.9:59-62 S '62.

1. Kafedra urologii (zav. - prof. O.V., Proskura) Kiyevskogo insti-
tuta usovershenstvovaniya vrachey.
(URINE—INCONTINENCE) (BLADDER—SURGERY)

OBODYNSKAYA, L.I.

Sphincterometry and serial cystography as diagnostic methods
for urinary incontinence in women. *Urologiia* 27 no.4:36-40
Jl-Ag '62. (MIRA 15:11)

1. Iz urologicheskoy kliniki (zav. - prof. O.V. Proskura)
Kiyevskogo instituta usovershenstvovaniya vrachey.
(URINE—INCONTINENCE) (BLADDER—EXPLIRATION)

L 45732-65 EPR/EWA(b)/EWT(l)/EEC(m) Po-4/Po-4/Ps-4/P1-4
ACCESSION NR: AP5009040 S/0302/65/000/001/0054/0055

AUTHOR: Litvak, V. I.; Obodzinskiy, V. O.

26

B

TITLE: Photoelectric level sensor

SOURCE: Avtomatika i priborostroyeniye, no. 1, 1965, 54-55

TOPIC TAGS: level sensor, liquid level control

ABSTRACT: A simple photosensor consisting of a photodiode and a lamp fastened to the conventional tubular level gauge ("oilgauge") is proposed. The associated relay operation depends on either (a) an increase in the intensity of the light beam passing through the empty tube, when the liquid level drops or (b) a focusing of the light beam by the appearance of the liquid in the tube, when the liquid level rises. Orig. art. has: 2 figures.

ASSOCIATION: none

SUBMITTED: 00

ENCL: 00

SUB CODE: EC, IE

NO REF SOV: 00

OTHER: 00

Card 1/1

OBOSRELOVA, G.

Chem Abs v48
1-25-54

Pharmacology

The influence of procaine and its combinations with some chemical therapeutic preparations on the course and end of experimentally caused infarction of the spleen in rats. K. A. Meshcherëkaya, N. Melent'eva, and G. Obogrelova (Med. Inst., Chelyabinsk). *Farmakol. i Toksikol.* 16, No. 4, 36-40(1953).—Experimentally caused infarction of the spleen of rats could be used to det. the intensity of the dissipating power of the drug on inflammations. The infarction is produced by ligating the central part of the splenic artery. The infarction is produced after 3-8 days. Norsulfazole sodium and procaine are introduced subcutaneously. The inflammation process is lessened. 4-Aminosalicylic acid is less effective than procaine + norsulfazole. 4-Amino-salicylic acid + procaine quickens the regeneration. The antiinflammatory effect of procaine is due to the direct action on the central nervous system. L. Goldenberg

(4)

-Chap 7 Pharmacology

"APPROVED FOR RELEASE: 06/15/2000

CIA-RDP86-00513R001237710012-7

OBEGI 18/10

U.S. Naval Center as an object of economic and geographic study.
Inst. JGU 20 no.18 '65 Seria geologii i geografii no.3:80-89
(MIRA 18/10)

APPROVED FOR RELEASE: 06/15/2000

CIA-RDP86-00513R001237710012-7"

OBOIMOV. A.

Accurately determine the obligations of efficiency experts.
Stroitel' 9 no.10:30 0 '63. (MIRA 16:11)

1. Nachal'nik otdela truda i zarabotnoy platy Glavzapstroya
Ministerstva stroitel'stva RSFSR.

OBOISHEVA, N. V.

Coma

Coma, and the care of patients in that state in the therapeutic clinic., Med. sestra., No. 2, 1952.

Monthly List or Russian Accessions, Library of Congress, April 1952. UNCLASSIFIED.

Obojska, K.

Breakdown of saturated and unsaturated hydrocarbons by saprophytic mycobacteria. K. Obojska (Univ. Warsaw). *Acta Microbiol. Polon.* 2, 120-32 (1953) (English summary).— Investigations were conducted on *Mycobacterium lutecola*, *M. phlei*, *M. smegmatis*, and *M. hyalineum* in Söhngen's medium. Petroleum was utilized as a sole source of C on the medium. Paraffins were utilized by all the strains investigated. There was no correlation between the utilization of a paraffin and its I value. Rubber was resistant to the attack of tested strains. A. S. S.

OBOJSKA, K.
GASIOR, E.; OBOJSKA, K.

Preparation of bacterial extracts for enzymatic studies. Postepy biochem.
3 no. 3-4:309-334 1957.

(BACTERIA, extracts,
prep. for enzymatic studies, review (Pol))
(ENZYMES, determination,
prep. of bact. extracts, review (Pol))

OBOJSKA, K.

Phosphomonoesterases in acid-fast bacilli. Acta microb.polon. 9
no.4:315-329 '60.

1. Z Zakladu Chemii Fizjologicznej Akademii Medycznej w Lublinie.
(PHOSPHATASES chem)
(MTCOBACTERIUM chem)

OBOJSKA, Krystyna

Metabolism of isonicotinic acid hydrazide in the animal organism.
Acta physiol.polon. 11 no.3;469-480 Ky-Je '60.

1. Z Zakladu Farmakologii Instytutu Lekow i Instytutu Gruzlicy w
Warszawie Kierownik: doc. dr J.Venulet.
(ISONIAZID, urine)

OBOJSKA, Krystyna

Effect of p-aminosalicylic and 5-bromosalisylhydroxamic acids
on the metabolism of isonicotinic acid hydrazide in rats. Acta
physiol.polon. 11 no.3:481-488 My-Je '60.

1. Z Zakladu Farmakologii Instytutu Lekow i Instytutu Gruzlicy
w Warszawie Kierownik: doc. dr J. Venulec
(HYDROXYLAMINES pharmacol)
(PARAAMINOSALICYLIC ACID pharmacol)
(ISONIAZID urine)

OBOJSKA, Krystyna; GAWENDA-DZIERZYNSSKA, Irena

A simple medium for biological determination of polymyxin B. Med.
dosw.mikrob. 13 no.1:63-80 '61.

1. Z Pracowni Kontroli Antybiotykow Instytutu Lekow w Warszawie
Kierownik Pracowni: mgr Irena Gawenda-Dzierzynska.

(ANTIBIOTICS chem)

OBOJSKA, Krystyna; OSTROWSKA, Danuta

Preparation of penicillinase from *Bacillus subtilis* (of Indian origin)
and from *Bacillus cereus*, strain 569 N.R.R.L. Med. dosw. mikrob. 14
no. 3:239-246 '62.

1. Z Pracowni Biologicznej Kontroli Antybiotykow Instytutu Lekow w
Warszawie.

(PENICILLINASE metab) (BACILLUS metab)
(BACILLUS SUBTILIS metab)

OBOJSKA, Krystyna; OSTROWSKA, Danuta

Microbiologic methods of investigating antibiotics. Postepy
mikrobiol 2 no. 3: 361-395 '63.

1. Pracownia Biologicznej Kontroli Antybiotykow, Instytut
Lekow, Warszawa.

OBOJSKA, Krystyna; OSTROWSKA, Danuta

Combined effect of chloramphenicol and oxytetracycline on
some gram-negat'ive microorganisms. Acta physiol. pol. 14
no.5:587-600 S. 0'63

1. Z Instytutu Leków w Warszawie (dyrektor: prof.dr.
P.Kubikowski) i z Pracowni Biologicznej Kontroli Antybio-
tykow (kierownik: mgr. I.Dzierzynska).

*

OBOJSKA, Krystyna; OSTROWSKA, Danuta

Separation and testing of biologically active substances from mixtures
of chloramphenicol and oxytetracycline. Med. dosw. mikrobiol. 15 no.1:
77-83 '63.

1. Z Pracowni Biologicznej Kontroli Antybiotykow Instytutu Lekow
w Warszawie.

(CHLORAMPHENICOL) (OXYTETRACYCLINE) (SARCINA)
(BACILLUS CEREUS) (CHEMISTRY, ANALYTICAL) (PHARMACOLOGY)

OBOJSKA, Krystyna; OSTROWSKA, Danuta

A microbiological method for the determination of colistin.
Med. dosw. mikrobiol. 16 no.3:239-243 '64.

1. Z Pracowni Kontroli Biologicznej Antybiotykow Instytutu
lekarow w Warszawie.

MARCZYNSKI, Kzimierz; OBOJSKA, Krystyna; OSTROWSKA, Danuta; ZAREMBA,
Andrzej.

Evaluation of the combined action of novobiocin and pyrrolidine
methyltetracycline hydrochloride on the penicillin resistant
strains of *Staphylococcus aureus*. Med. dosw. mikrobiol. 17 no.1:
37-46 '65.

1. z Pracowni Biologicznej Kontroli Antybiotykow Instytutu Lekow
i z Pracowni Formy Leku Instytutu Antybiotykow w Warszawie.

Antibiotics

POLAND

OBOJSKA, Krystyna; JASTALSKA, Danuta and DZIERDZYNSKA, Irena; Laboratory for Biological Control of Antibiotics, Drug Institute (Pracownia Biologiczna Kontroli Antybiotykow Instytutu Lekow,) Warsaw.

"Interference with Assimilation of Hexoses by Nystatin in Candida albicans 102J"
Warsaw, Medycyna Doswiadczała i Mikrobiologia, Vol 18, No 1, 1966; pp75-81.

Abstract [English summary modified]: Study of interference with glucose and fructose uptake by Hungarian-made nystatin in two different media using Candida albicans strain 102. The main difficulty was getting the nystatin into solution, and dimethylsulfoxide was ideal whereas dimethylformamide was relatively inadequate as solvent. The uptake of sugar and the growth of the yeast showed a dose:response curve with the nystatin concentration. Graph, 3 paper chromatograms; 2 Polish and 11 Western references.

1. OBOKHOV, A. N.
2. USSR (600)
4. Agriculture
7. Wild medicinal plants of Krasnodar region, their gathering and use.
Krasnodar, Kraevoe izd-vo, 1952
9. Monthly List of Russian Accessions, Library of Congress, January 1953. Unclassified.

43821

8/020/62/147/009/019/032
B106/B186

15 (54)

AUTHORS:

Terent'yev, A. P., Corresponding Member AS USSR, Rukhadze,
Ye. G., Vozzhennikov, V. M., Zvonkova, Z. V., Oboladze, N. S.,
Mochalina, I. G.

TITLE:

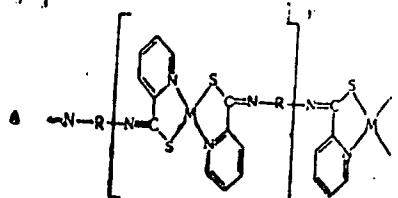
Electrical conductivity and activation energy of chelate
compounds of the dithiocarbamates and thioamides of pyridine

PERIODICAL: Akademiya nauk SSSR. Doklady, v. 147, no. 5, 1962, 1094-1097

TEXT: The temperature dependence of the electrical conductivity σ of
chelate polymers of the following structures A, B, and C has been deter-

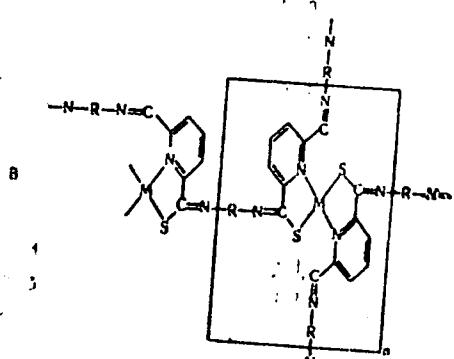
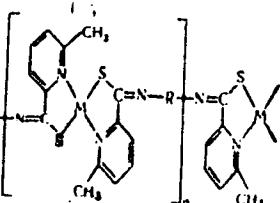
Card 1/6

Electrical conductivity and . . .



6

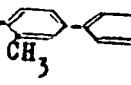
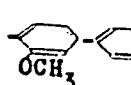
S/020/62/147/005/019/032
B106/B186



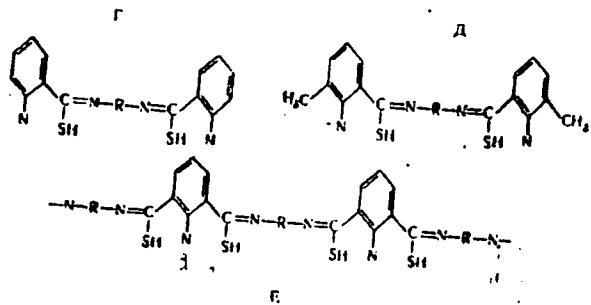
Card 2/6

Electrical conductivity and...

8/020/62/147/005/019/032
B106/B186

M = Cu, Co, Zn; R =  (1),  (2),  (3).

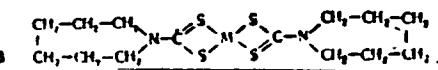
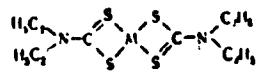
For comparison, the compounds Г, Д, and the polymer Е (initial products in the synthesis of the above chelate polymers), and the compounds Ж and З (M = Cu, Co, Zn) (monomers of polychelates investigated earlier (Ref. 2; V. M. Vozzhennikov et al, DAN, 143, 5 (1962)) have been studied analogously:



Card 3/6

3 n
h

Electrical conductivity and...

S/020/62/147/005/019/032
B106/B186

Since the compounds investigated are insulators at room temperature, the values of the electrical conductivity have been determined between 330 and 6000°K. The values of the activation energy E have been calculated from the temperature dependence of σ (ascent of the straight line in diagrams ($\log \sigma, 1/T$)). Table 1 shows the results. In agreement with the data of Ref. 2, the electrical conductivity depends considerably on the nature of the metal ($\text{Zn} < \text{Cu} > \text{Ni} > \text{Co}$). The stability of the complex compounds and the electron affinity of the metals M change in the same order. The fact that the nature of the radicals bound to nitrogen atoms in the compounds \mathcal{K} and \mathfrak{J} has practically no effect on the values of σ and E shows that these two quantities are mainly determined by the nature of the chemical bonds and

Card 4/6

Electrical conductivity and...

S/020/62/147/005/019/032
B106/B186

not by the packing of molecules in the crystal. Activation energies between 1.2 and 1.6 ev were found for the 30 compounds with the grouping M...S-C-N< investigated in Ref. 2 and in the present paper. An activation energy of this order has also been found for CuSCN, the simplest semiconductor polymer with the grouping S-C=N-. There are 2 figures and 1 table.

ASSOCIATION: Fiziko-khimicheskiy institut im. L. Ya. Karpova (Physico-chemical Institute imeni L. Ya. Karpova); Moskovskiy gosudarstvennyy universitet im. M. V. Lomonosova (Moscow State University imeni M. V. Lomonosov)

SUBMITTED: June 22, 1962

Card 5/6

ԸՆԴՀԱՆՈՒՐ ԿԵԼ

Tobillist. State U.

Dissertation for degree of
Candidate Mathematical

APPROVED FOR RELEASE: 06/15/2000

CIA-RDP86-00513R001237710012-7"

OBOLASHVILLI, E.

"On a Special Problem of the Vibration of a Slanting Spherical Shell"
Tr. Tbilis. Un-ta, No 52, 1954, 31-38 (Georgian, with Russian resume)

By the method of I. N. Vekua the author obtains the general solution of a system of equations of the steady state vibrations of a spherical shell and in the case of a fastened spherical segment he derives the equation for the frequencies. The lowest frequency obtained by the author is closer to experimental data than the ~~xx~~ frequency he had derived in an earlier article (Tr. Stroil. in-ta AN GruzSSR, 1949, 2). (RZhMat, No 1, 1955)

SO: Sum-No 787, 12 Jan 56

OBOLASHVILLI, Ye.I.

One problem of momentless equilibrium of a shell component.
Sob. AN Gruz. SSR 19 no.6:649-652 D '57. (MIRA 11:6)

1.Tbilisskiy gosudarstvennyy universitet im. Stalina. Predstavлено
akademikom I.N. Vekua.
(Elastic plates and shells)

OBOLASHVILI, Ye.I.

A boundary problem for momentless ellipsoidal shells. Soob. AM
Gruz. SSR 22 no.4:393-400 Ap '59. (MIRA 12:9)

I.AN GruzSSR, Tbilisskiy matematicheskiy institut im. A.M.
Razmadze. Predstavлено академиком I.N. Vekua.
(Elastic plates and shells)

L6611

34.4749.

8/044/62/000/008/031/073
C111/C222AUTHOR: Obolashvili, Ye. I.TITLE: Moment-free shells of positive curvature under influence
of discontinuous exterior forcesPERIODICAL: Referativnyy zhurnal, Matematika, no. 8, 1962, 66,
abstract 8B299. ("Tr. Konferentsii po teorii plastin i
obolochek, 1960". Kazan', 1961, 250-253)

TEXT: It is shown : If the exterior forces have discontinuities of first kind along certain curves L_k ($k = 1, 2, \dots, n$), which lie on the shell, then the solution of the boundary value problems of the moment-free theory of shells of positive curvature can be obtained just as in the case of continuous load; the only difference consists in the fact that one has to solve in addition a Hilbert boundary value problem. This follows from the condition $(T + iS)^+ - (T + iS)^- = 0$ on L_k , where T and S are stresses along certain oblique sections, while $(+)$ and $(-)$ denote the

Card 1/2

Moment-free shells of positive ...

S/044/62/000/008/031/073
C111/C222

boundary values on the left and on the right of L_k . This result can be understood as a certain formal generalization of known results of I.N. Vekua.

[Abstracter's note : Complete translation.]

Card 2/2

S/879/62/000/000/020/088
D234/D308

AUTHOR: Obolashvili, Ye. I. (Tbilisi)

TITLE: Some correct problems of a momentless shell of negative curvature

SOURCE: Teoriya plastin i obolochek; trudy II Vsesoyuznoy konferentsii, L'vov, 15-21-sentyabrya 1961 g. Kiev, Izd-vo AN USSR, 1962, 162-164

TEXT: The author considers an isothermally conjugate system of coordinates α , β on the middle surface of a shell of second order, having negative curvature. The Cartesian coordinates are $x = a \cos \beta / \cos \alpha$, $y = b \sin \beta / \cos \alpha$, $z = c \tan \alpha$. The force components are formulated. The author mentions two already known problems and indicates the possibility of solving the boundary problem for a shell cut out of a hyperboloid by a plane parallel to its axis, and for one consisting of parts of a hyperboloid and an ellipsoid. There are 3 figures.

Card 1/1

S/251/62/029/006/001/005
D237/D308

AUTHOR: Obolashvili, Ye.I.

TITLE: On a theorem for zero-moment shells of negative curvature

PERIODICAL: Akademiya nauk Gruzinskoy SSR. Soobshcheniya, v. 29, no. 6, 1962, 661-664

TEXT: The author proves the following theorem: the necessary condition for the system of equations of equilibrium of a shell of negative curvature to be reducible to

$$\frac{\partial u}{\partial \alpha} + \frac{\partial v}{\partial \beta} = f_1(\alpha, \beta),$$

$$\frac{\partial u}{\partial \alpha} \pm \frac{\partial v}{\partial \beta} = f_2(\alpha, \beta), \quad (1)$$

(with the + sign) is, that the median surface be a second order sur-
Card 1/2

S/251/62/029/006/001/005

D237/D308

On a theorem ...

face. The above theorem is a converse of a known theorem, and the author draws upon the work of I.N. Vekua who proved a similar theorem for the case of positive curvature.

ASSOCIATION: Akademiya nauk Gruzinskoy SSR. Tbilisskiy matematicheskiy institut im. A.M. Razmadze (Academy of Sciences of the GSSR, Tbilisi Mathematical Institute im. A.M. Razmadze)

PRESENTED: July 12, 1961, by I.N. Vekua, Academician

SUBMITTED: August 26, 1961

Card 2/2

OBOLASHVILI, Ye.I.

Effective solution of the Riemann-Hilbert problem for a system of
mixed equations with application to the theory of shells. Soob. AN
Gruz. SSR 36 no.1:33-39 O '64. (MIRA 18:3)

1. Tbilisskiy matematicheskiy institut imeni Razmadze AN Gruzinskoj
SSR. Submitted June 1964.

OBOLASHVILI, Ye.I.

Generalization of the Riemann - Schwarz symmetry principle
and its applications. Dokl. AN SSSR 157 no.5:1051-1053
Ag '64. (MIRA 17:9)

1. Tbilisskiy matematicheskiy institut im. A.M. Razmadze.
Predstavлено академиком N.I. Muskhelishvili.

OBOLASHVILI, Ye.I.

Solution of certain mixed problems in the two-dimensional
theory of elasticity. Soob. AM Gruz. SSR 39 no.1:37-42 J1 '65.
(MIRA 18:1C)

1. Tbilisskiy matematicheskiy institut imeni Razmadze AN
GruzSSR. Submitted January 18, 1965.

OBOLDUYEV, G.T.; PETROV, L.N.; SUKHANOV, G.I.; KAMNEV, P.V., kand.
tekhn. nauk, red.; BULGAKOV, B.S., inzh., retsenzent

[Hammering and press forging] Kovka pod molotami i pressami.
Moskva, Mashinostroenie, 1964. 206 p. (Bibliotechka kuz-
netsa-novatora, no.4) (MIRA 17:12)

OBOLDUYEV, G T

PHASE I BOOK EXPLOITATION

SOV/3655

Atroshenko, Aleksey Petrovich, Georgiy Tikhonovich Obolduyev, and Semen Mikhaylovich Khasin

Izgotovleniye pokovok pod krivoshipnymi i vintovymi pressami (Forging on Crank and Percussion Presses) Moscow, Mashgiz, 1958. 126 p. (Series: Bibliotekha kuznetsa-novatora, no. 5) 6,000 copies printed.

General Ed.: P.V. Kamnev, Candidate of Technical Sciences, Docent; Reviewer: Sh.N. Gil'denblat, Engineer; Ed.: B.O. Bange, Engineer; Ed. of Publishing House: A.I. Varkovetskaya; Tech. Ed.: O.V. Speranskaya; Managing Ed. for Literature on Machine-Building Technology (Leningrad Division, Mashgiz): Ye.P. Naumov, Engineer.

PURPOSE: This book is intended for operators of forging presses, and may also be used as a textbook by technical personnel of forging shops attending secondary and higher technical schools.

Card 1/4

Forging on Crank and Percussion Presses

SOV/3655

COVERAGE: This issue contains basic information on modern methods of forging on crank and percussion presses, accompanied by discussion on the rational construction of dies in the manufacture of large and small lots. No personalities are mentioned. There are 13 references, all Soviet.

TABLE OF CONTENTS:

Preface	3
I. Smith-and Die Forging on Crank-and Crank-Toggle Presses in Small Lot Production	5
1. Forging method developed by innovator A.V. Potekhin and the range of its application	5
2. Comparative technical and economic data	8
3. Crank-toggle presses	11
4. Characteristic features of operation of a crank press in smith and die forging	17
5. Smith and die forging on crank presses	18
6. Example of smith and die forging processes	25

Card 2/4

Forging on Crank and Percussion Presses

SOV/3655

Ch. II. Die Forging on Crank Presses in Lot and Mass Production (S.M. Khesin)	51
7. Purpose and field of application	51
8. Construction of presses and their characteristics	51
9. Basic advantages and disadvantages in forging on crank presses	60
10. Characteristic features of forging on crank presses and determination of the required pressure	61
11. Examples of the forging process	64
12. Characteristic features of construction of dies for crank press	72
13. Technical specification for manufacture of dies for die-forging crank presses	81
Ch. III. Die Forging on Percussion Presses (S.M. Khesin)	86
14. Purpose and field of application	86
15. Flashless forging of ferrous metals	87
16. Flashless forging of nonferrous metals	90

Card 3/4

Forging on Crank and Percussion Presses	80V/3655
Ch. IV. Sizing of Forgings (G.T. Obolduyev)	95
17. The nature of the process, and the equipment used	95
18. Technique of sizing	97
Ch. V. Mechanization and Automation of Forging Operations on Crank Presses (A.P. Atroshenko)	104
19. The importance of a well-organized workplace	104
20. Mechanisms and devices for mechanization and automation of forging operations	105
21. Automation of removal of forgings	111
22. Examples for organization of workplace and for mechanization and automation of forging operations on crank presses	115
Literature	128

AVAILABLE: Library of Congress

Card 4/4

VK/mas
6-29-60